Freshwater Stream Cypress Creek Basin Total size: 42 Miles Assessment Status of Use # of # of Location Year Assessment Method **Support or Concern** Location size samples exceedances Mean **Aquatic Life Use** 2002 Dissolved Oxygen grab average 3 Use Concern 11 miles below Black Cypress Creek 14 11 2002 Dissolved Oxygen grab average Use Concern 7 Lower 9 miles 9 36 2002 Dissolved Oxygen grab average No Concern Middle 15 miles near Jefferson 1 15 13 2002 Dissolved Oxygen grab average No Concern 7 1 Upper 7 miles 31 2002 Dissolved Oxygen grab minimum 2 Use Concern 11 miles below Black Cypress Creek 11 14 2002 Dissolved Oxygen grab minimum 0 Fully Supporting Lower 9 miles 9 36 2002 Dissolved Oxygen grab minimum **Fully Supporting** Middle 15 miles near Jefferson 15 13 0 2002 0 Dissolved Oxygen grab minimum **Fully Supporting** Upper 7 miles 7 31 2002 Dissolved Oxygen 24hr average Not Assessed 11 miles below Black Cypress Creek 2 11 2002 Dissolved Oxygen 24hr average Not Assessed Lower 9 miles 9 0 2002 Dissolved Oxygen 24hr average Not Assessed Middle 15 miles near Jefferson 15 0 2002 Dissolved Oxygen 24hr average 7 Not Assessed Upper 7 miles 0 2002 Dissolved Oxygen 24hr minimum 11 miles below Black Cypress Creek Not Assessed 2 11 2002 Dissolved Oxygen 24hr minimum Not Assessed Lower 9 miles 9 0 2002 Dissolved Oxygen 24hr minimum Not Assessed Middle 15 miles near Jefferson 15 0 2002 Dissolved Oxygen 24hr minimum Not Assessed 7 0 Upper 7 miles 2002 Acute Metals in water Fully Supporting 11 miles below Black Cypress Creek 11 11 2002 Acute Metals in water 0 Not Assessed Lower 9 miles 9 2 2002 Acute Metals in water Middle 15 miles near Jefferson Fully Supporting 15 10 2002 Acute Metals in water 0 No Concern-Limited Upper 7 miles 7 7 Data 2002 Chronic Metals in water Fully Supporting 11 miles below Black Cypress Creek 11 11 2002 Chronic Metals in water Not Assessed Lower 9 miles 2 9 2002 Chronic Metals in water Fully Supporting Middle 15 miles near Jefferson 15 10

Freshwater Stream		Cypress Creek Basin		al size:	42 Miles			
Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean	
Aquatic Life U	Use (continued)							
2002	Chronic Metals in water Lead	Use Concern-Limited Data	Upper 7 miles	7	7		0.39	
2002	Overall Aquatic Life Use	Fully Supporting	11 miles below Black Cypress Creek	11				
2002	Overall Aquatic Life Use	Fully Supporting	Lower 9 miles	9				
2002	Overall Aquatic Life Use	Fully Supporting	Middle 15 miles near Jefferson	15				
2002	Overall Aquatic Life Use	Fully Supporting	Upper 7 miles	7				
Contact Recre	eation Use			<u>'</u>	•			
2002	E. coli single sample	Not Assessed	11 miles below Black Cypress Creek	11	0			
2002	E. coli single sample	Not Assessed	Lower 9 miles	9	0			
2002	E. coli single sample	Not Assessed	Middle 15 miles near Jefferson	15	0			
2002	E. coli single sample	Not Assessed	Upper 7 miles	7	0			
2002	E. coli geometric mean	Not Assessed	11 miles below Black Cypress Creek	11	0			
2002	E. coli geometric mean	Not Assessed	Lower 9 miles	9	0			
2002	E. coli geometric mean	Not Assessed	Middle 15 miles near Jefferson	15	0			
2002	E. coli geometric mean	Not Assessed	Upper 7 miles	7	0			
2002	Fecal coliform single sample	No Concern-Limited Data	11 miles below Black Cypress Creek	11	6	1		
2002	Fecal coliform single sample	No Concern-Limited Data	Lower 9 miles	9	7	0		
2002	Fecal coliform single sample	No Concern-Limited Data	Middle 15 miles near Jefferson	15	8	1		
2002	Fecal coliform single sample	Not Assessed	Upper 7 miles	7	1	0		
2002	Fecal coliform geometric mean	No Concern-Limited Data	11 miles below Black Cypress Creek	11	6		59	

Freshwater Stream Cypress Creek Basin Total size: 42 Miles Status of Use # of # of Assessment Location Year Assessment Method **Support or Concern** Location samples exceedances Mean size Contact Recreation Use (continued) Fecal coliform geometric mean 2002 No Concern-Limited Lower 9 miles 9 7 33 Data 2002 Fecal coliform geometric mean No Concern-Limited Middle 15 miles near Jefferson 15 8 56 Data 2002 Fecal coliform geometric mean Upper 7 miles 7 5 Not Assessed 1 2002 Overall Recreation Use 11 miles below Black Cypress Creek Not Assessed 11 2002 Overall Recreation Use Not Assessed Lower 9 miles 9 2002 Overall Recreation Use Not Assessed Middle 15 miles near Jefferson 15 2002 Overall Recreation Use 7 Not Assessed Upper 7 miles General Use 2002 Water Temperature **Fully Supporting** 11 miles below Black Cypress Creek 11 0 14 2002 Water Temperature **Fully Supporting** 0 Lower 9 miles 9 36 2002 Water Temperature **Fully Supporting** Middle 15 miles near Jefferson 13 0 15 2002 0 Water Temperature **Fully Supporting** 31 Upper 7 miles 2002 рΗ 5 **Partially Supporting** 11 miles below Black Cypress Creek 11 14 2002 2 рН Use Concern Lower 9 miles 9 12 2002 pН Fully Supporting Middle 15 miles near Jefferson 13 0 15 2002 pН No Concern-Limited 7 8 0 Upper 7 miles Data 2002 Chloride **Fully Supporting** 11 miles below Black Cypress Creek 12.5 11 42 2002 Chloride 12.5 **Fully Supporting** Lower 9 miles 9 42 2002 Chloride **Fully Supporting** Middle 15 miles near Jefferson 12.5 15 42. 2002 Chloride **Fully Supporting** 7 42. 12.5 Upper 7 miles 2002 Sulfate **Fully Supporting** 18.8 11 miles below Black Cypress Creek 11 42

Freshwater Stream		Cypress Creek Basin		tal size:	42 Miles			
Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean	
General Use	(continued)							
2002	Sulfate	Fully Supporting	Lower 9 miles	9	42		18.8	
2002	Sulfate	Fully Supporting	Middle 15 miles near Jefferson	15	42		18.8	
2002	Sulfate	Fully Supporting	Upper 7 miles	7	42		18.8	
2002	Total Dissolved Solids	Fully Supporting	11 miles below Black Cypress Creek	11	94		79.3	
2002	Total Dissolved Solids	Fully Supporting	Lower 9 miles	9	94		79.3	
2002	Total Dissolved Solids	Fully Supporting	Middle 15 miles near Jefferson	15	94		79.3	
2002	Total Dissolved Solids	Fully Supporting	Upper 7 miles	7	94		79.3	
2002	Overall General Use	Partially Supporting	11 miles below Black Cypress Creek	11				
2002	Overall General Use	Fully Supporting	Lower 9 miles	9				
2002	Overall General Use	Fully Supporting	Middle 15 miles near Jefferson	15				
2002	Overall General Use	Fully Supporting	Upper 7 miles	7				
Fish Consump	otion Use	·		·				
2002	Advisories and Closures Restricted-Consumption	Partially Supporting	11 miles below Black Cypress Creek	11				
2002	Advisories and Closures Restricted-Consumption	Partially Supporting	Lower 9 miles	9				
2002	Advisories and Closures Restricted-Consumption	Partially Supporting	Middle 15 miles near Jefferson	15				
2002	Advisories and Closures Restricted-Consumption	Partially Supporting	Upper 7 miles	7				
2002	Human Health Criteria	Fully Supporting	11 miles below Black Cypress Creek	11	11			
2002	Human Health Criteria	Not Assessed	Lower 9 miles	9	2			
2002	Human Health Criteria	Fully Supporting	Middle 15 miles near Jefferson	15	10			
2002	Human Health Criteria	No Concern-Limited Data	Upper 7 miles	7	7			

Freshwater Stream		Cypress Creek Basin Total size:		42 Miles				
Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean	
Fish Consump	otion Use (continued)							
2002	Overall Fish Consumption Use	Partially Supporting	11 miles below Black Cypress Creek	11				
2002	Overall Fish Consumption Use	Partially Supporting	Lower 9 miles	9				
2002	Overall Fish Consumption Use	Partially Supporting	Middle 15 miles near Jefferson	15				
2002	Overall Fish Consumption Use	Partially Supporting	Upper 7 miles	7				
Public Water	Supply Use			-			1	
2002	Finished Water: Running Avg	Fully Supporting	Upper 7 miles	7				
2002	Surface Water: Long-term average	Fully Supporting	11 miles below Black Cypress Creek	11	11			
2002	Surface Water: Long-term average	No Concern-Limited Data	Lower 9 miles	9	2			
2002	Surface Water: Long-term average	Fully Supporting	Middle 15 miles near Jefferson	15	10			
2002	Surface Water: Long-term average	No Concern-Limited Data	Upper 7 miles	7	7			
2002	Surface Water: Long-term average Nitrate+Nitrite Nitrogen	Fully Supporting	11 miles below Black Cypress Creek	11	12		0.11	
2002	Surface Water: Long-term average Nitrate+Nitrite Nitrogen	Fully Supporting	Lower 9 miles	9	10		0.125	
2002	Surface Water: Long-term average Nitrate+Nitrite Nitrogen	Fully Supporting	Middle 15 miles near Jefferson	15	14		0.16	
2002	Surface Water: Long-term average Nitrate+Nitrite Nitrogen	No Concern-Limited Data	Upper 7 miles	7	7		0.04	
2002	Surface Water: Running average	Fully Supporting	11 miles below Black Cypress Creek	11	11	0		
2002	Surface Water: Running average	No Concern-Limited Data	Lower 9 miles	9	2	0		
2002	Surface Water: Running average	Fully Supporting	Middle 15 miles near Jefferson	15	10	0		
2002	Surface Water: Running average	No Concern-Limited Data	Upper 7 miles	7	7	0		

Freshwater Stream Cypress Creek Basin Total size: 42 Miles Status of Use # of # of Assessment Location Year Assessment Method **Support or Concern** Location samples exceedances Mean size Public Water Supply Use (continued) 2002 Surface Water: Running average **Fully Supporting** 0 11 miles below Black Cypress Creek 11 12 Nitrate+Nitrite Nitrogen 2002 Surface Water: Running average Fully Supporting Lower 9 miles 0 9 10 Nitrate+Nitrite Nitrogen 2002 Surface Water: Running average 0 Fully Supporting Middle 15 miles near Jefferson 15 14 Nitrate+Nitrite Nitrogen 2002 Surface Water: Running average No Concern-Limited Upper 7 miles 7 7 0 Nitrate+Nitrite Nitrogen Data 2002 Overall Public Water Supply Use **Fully Supporting** 11 miles below Black Cypress Creek 11 2002 Overall Public Water Supply Use Lower 9 miles 9 Fully Supporting 2002 Overall Public Water Supply Use **Fully Supporting** Middle 15 miles near Jefferson 15 2002 Overall Public Water Supply Use **Fully Supporting** Upper 7 miles 7 **Overall Use Support** 2002 **Partially Supporting** 11 miles below Black Cypress Creek 11 2002 **Partially Supporting** Lower 9 miles 9 2002 Partially Supporting Middle 15 miles near Jefferson 15 2002 **Partially Supporting** Upper 7 miles 7 **Nutrient Enrichment Concern** 2002 Ammonia Nitrogen No Concern 11 miles below Black Cypress Creek 11 12 1 2002 Ammonia Nitrogen No Concern Lower 9 miles 9 1 11 2002 Ammonia Nitrogen 0 No Concern Middle 15 miles near Jefferson 15 15 2002 Ammonia Nitrogen Not Assessed Upper 7 miles 7 7 0 2002 Nitrite + Nitrate Nitrogen 11 miles below Black Cypress Creek 0 No Concern 12 11 2002 Nitrite + Nitrate Nitrogen No Concern Lower 9 miles 9 0 10 2002 0 Nitrite + Nitrate Nitrogen No Concern Middle 15 miles near Jefferson 15 14

Freshwater Stream Cypress Creek Basin Total size: 42 Miles Status of Use # of # of Assessment Location Year Assessment Method **Support or Concern** Location samples exceedances Mean size **Nutrient Enrichment Concern** (continued) 2002 Nitrite + Nitrate Nitrogen Upper 7 miles 7 0 Not Assessed 7 2002 Orthophosphorus No Concern 11 miles below Black Cypress Creek 0 11 12 2002 Orthophosphorus Not Assessed Lower 9 miles 9 9 0 2002 Orthophosphorus No Concern Middle 15 miles near Jefferson 0 15 14 2002 Orthophosphorus 0 7 Not Assessed Upper 7 miles 6 2002 Total Phosphorus No Concern 11 miles below Black Cypress Creek 0 11 12 2002 **Total Phosphorus** 0 No Concern Lower 9 miles 9 11 2002 0 **Total Phosphorus** No Concern Middle 15 miles near Jefferson 15 15 2002 Total Phosphorus 0 Not Assessed Upper 7 miles 7 1 2002 Overall Nutrient Enrichment No Concern 11 miles below Black Cypress Creek 11 Concerns 2002 Overall Nutrient Enrichment No Concern Lower 9 miles 9 Concerns 2002 Overall Nutrient Enrichment No Concern Middle 15 miles near Jefferson 15 Concerns 2002 Overall Nutrient Enrichment 7 Not Assessed Upper 7 miles Concerns **Algal Growth Concern** 2002 Chlorophyll a 4 Concern 11 miles below Black Cypress Creek 11 12 2002 Chlorophyll a No Concern 9 10 1 Lower 9 miles 2002 Chlorophyll a 0 No Concern Middle 15 miles near Jefferson 15 15 2002 Chlorophyll a 0 Not Assessed Upper 7 miles **Sediment Contaminants Concern** 2002 Metals in sediment Not Assessed 11 miles below Black Cypress Creek 11 4 2002 Metals in sediment Not Assessed Lower 9 miles 9

Freshwater Stream Cypress Creek Basin Total size: 42 Miles Status of Use Assessment Location # of # of Year Assessment Method **Support or Concern** Location exceedances Mean size samples **Sediment Contaminants Concern** (continued) Overall Sediment Contaminant 2002 Not Assessed 11 miles below Black Cypress Creek 11 Concerns 2002 Overall Sediment Contaminant Not Assessed Lower 9 miles 9 Concerns 2002 **Overall Sediment Contaminant** Not Assessed Middle 15 miles near Jefferson 15 Concerns 2002 Overall Sediment Contaminant Not Assessed Upper 7 miles 7 Concerns **Fish Tissue Contaminants Concern** 2002 Overall Fish Tissue Contaminant Not Assessed 11 miles below Black Cypress Creek 11 Concerns 2002 Overall Fish Tissue Contaminant Not Assessed Lower 9 miles 9 Concerns 2002 Overall Fish Tissue Contaminant Not Assessed Middle 15 miles near Jefferson 15 Concerns 2002 Overall Fish Tissue Contaminant Not Assessed 7 Upper 7 miles Concerns **Public Water Supply Concern** 2002 Finished Water: Chloride 11 miles below Black Cypress Creek No Concern 11 2002 Finished Water: Chloride No Concern Lower 9 miles 9 2002 Finished Water: Chloride No Concern Middle 15 miles near Jefferson 15 2002 Finished Water: Chloride No Concern Upper 7 miles 7 2002 Finished Water: Sulfate 11 miles below Black Cypress Creek No Concern 11 2002 Finished Water: Sulfate No Concern Lower 9 miles 9 2002 Finished Water: Sulfate No Concern Middle 15 miles near Jefferson 15 2002 Finished Water: Sulfate No Concern Upper 7 miles 7

Freshwater Stream Cypress Creek Basin Total size: 42 Miles Status of Use # of Assessment Location # of Year Assessment Method **Support or Concern** Location exceedances size samples Mean **Public Water Supply Concern** (continued) 2002 Finished Water: Total Dissolved No Concern 11 miles below Black Cypress Creek 11 Solids 2002 Finished Water: Total Dissolved No Concern Lower 9 miles 9 Solids 2002 Finished Water: Total Dissolved No Concern Middle 15 miles near Jefferson 15 Solids 2002 Finished Water: Total Dissolved No Concern Upper 7 miles 7 Solids 2002 Finished Water: MTBE No Concern 11 miles below Black Cypress Creek 11 2002 Finished Water: MTBE No Concern Lower 9 miles 9 2002 Finished Water: MTBE No Concern Middle 15 miles near Jefferson 15 2002 Finished Water: MTBE No Concern 7 Upper 7 miles 2002 Finished Water: Perchlorate Not Assessed 11 miles below Black Cypress Creek 11 2002 Finished Water: Perchlorate Not Assessed Lower 9 miles 9 2002 Finished Water: Perchlorate Not Assessed Middle 15 miles near Jefferson 15 2002 Finished Water: Perchlorate Not Assessed Upper 7 miles 7 2002 Finished Water: Overall No Concern 11 miles below Black Cypress Creek 11 2002 Finished Water: Overall No Concern Lower 9 miles 9 2002 Finished Water: Overall No Concern Middle 15 miles near Jefferson 15 2002 Finished Water: Overall No Concern Upper 7 miles 7 2002 Surface Water: Chloride 12.5 No Concern 11 miles below Black Cypress Creek 11 42 2002 Surface Water: Chloride 12.5 Lower 9 miles No Concern 9 42 2002 Surface Water: Chloride 12.5 No Concern Middle 15 miles near Jefferson 15 42. 2002 Surface Water: Chloride No Concern Upper 7 miles 7 42. 12.5 2002 Surface Water: Sulfate 18.8 No Concern 11 miles below Black Cypress Creek 11 42

Freshwater Stream Cypress Creek Basin Total size: 42 Miles Status of Use # of Assessment Location # of Year Assessment Method **Support or Concern** Location samples exceedances Mean size **Public Water Supply Concern** (continued) 2002 Surface Water: Sulfate No Concern 18.8 Lower 9 miles 9 42 2002 Surface Water: Sulfate No Concern 18.8 Middle 15 miles near Jefferson 15 42 2002 Surface Water: Sulfate No Concern 7 18.8 Upper 7 miles 42. 2002 Surface Water: Total Dissolved No Concern 79.3 11 miles below Black Cypress Creek 11 94 Solids 2002 Surface Water: Total Dissolved No Concern Lower 9 miles 9 94 79.3 Solids 2002 Surface Water: Total Dissolved 79.3 No Concern Middle 15 miles near Jefferson 15 94 Solids 2002 Surface Water: Total Dissolved Upper 7 miles 79.3 No Concern 7 94 Solids 2002 Surface Water: Overall No Concern 11 miles below Black Cypress Creek 11 2002 Surface Water: Overall No Concern Lower 9 miles 9 2002 Surface Water: Overall No Concern Middle 15 miles near Jefferson 15 2002 Surface Water: Overall 7 No Concern Upper 7 miles 2002 Overall Public Water Supply 11 miles below Black Cypress Creek No Concern 11 Concerns 2002 Overall Public Water Supply No Concern Lower 9 miles 9 Concerns 2002 Overall Public Water Supply No Concern Middle 15 miles near Jefferson 15 Concerns Overall Public Water Supply 2002 No Concern Upper 7 miles 7 Concerns **Narrative Criteria Concern** Overall Narrative Criteria Concerns | No Concern 2002 11 miles below Black Cypress Creek 11

Cypress Creek Basin Total size: Freshwater Stream 42 Miles **Status of Use** # of # of Assessment Location Year **Assessment Method Support or Concern** Location samples exceedances Mean size Narrative Criteria Concern (continued) 2002 Overall Narrative Criteria Concerns No Concern Lower 9 miles 9 2002 Overall Narrative Criteria Concerns No Concern Upper 7 miles 7 Overall Narrative Criteria Concerns No Concern 2002 Middle 15 miles near Jefferson 15 **Overall Secondary Concern** 2002 Concern 11 miles below Black Cypress Creek 11 2002 No Concern Lower 9 miles 9 2002 No Concern Middle 15 miles near Jefferson 15 2002 No Concern Upper 7 miles 7